

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018004

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ D01F6/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ D01F6/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 7-3524 A (Industrial Technology Research Institute), 06 January, 1995 (06.01.95), Claims; Par. Nos. [0015] to [0023]; examples & US 5342567 A	1-9
A	JP 7-501859 A (Allied Signal Inc.), 23 February, 1995 (23.02.95), Claims; examples & WO 1993/012276 A1 & US 5230854 A & EP 616651 A1	1-9
A	JP 3-137215 A (Toray Industries, Inc.), 11 June, 1991 (11.06.91), Claims; examples (Family: none)	1-9

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search
18 February, 2005 (18.02.05)

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15 March, 2005 (15.03.05)

Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2001/012885 A1 (Toyobo Co., Ltd.), 22 February, 2001 (22.02.01), Claims; examples & EP 1126052 A1 & US 6605348 B1	1-9
A	JP 2001-73224 A (Toyobo Co., Ltd.), 21 March, 2001 (21.03.01), Claims; examples (Family: none)	1-9